

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number	10597392
Filing Date	2006-07-24
First Named Inventor	Maysam Ghovanloo
Art Unit	
Examiner Name	
Attorney Docket Number	UOM 0327 PUSA

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	1	3372234		1968-03-05	Rowsher, et al.	
	2	3427614		1969-02-11	Vinding	
	3	3501704		1970-03-17	Webb	
	4	3512087		1970-05-12	Lewis	
	5	3600680		1971-08-17	Maniere	
	6	3539828		1970-11-10	Crouse	
	7	3611298		1971-10-05	Jacobson	
	8	3614639		1971-10-19	Belman	

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9	3623075		1971-11-23	Bench, et al.	
10	3636454		1972-01-18	Pasternack, et al.	
11	3660771		1972-05-02	Balugani, et al.	
12	3740669		1973-06-19	Nahay	
13	3773975		1973-11-20	Koziol	
14	3846708		1974-11-05	Franco	
15	3908169		1975-09-23	Tong	
16	3947769		1976-03-30	Rousos, et al.	
17	3949313		1976-04-06	Tamada, et al.	
18	3979685		1976-09-07	Motley, et al.	
19	3991389		1976-11-09	Dwire, et al.	

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	20	4021744		1977-05-03	Monte Fusco	
	21	4010323		1977-03-01	Peck	
	22	4103244		1978-07-25	Tan	
	23	4115738		1978-09-19	Mitarai, et al.	
	24	4451792		1984-05-29	Gay	
	25	4363002		1982-12-07	Fuller	
	26	4368439		1983-01-11	Shibuya, et al.	
	27	4485347		1984-11-27	Hirasawa, et al.	
	28	4485448		1984-11-27	Kurth	
	29	4486715		1984-12-04	Maas, et al.	
	30	4488120		1984-12-11	Carsten	

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31	4513427		1985-04-23	Borriello, et al.	
32	4529941		1985-07-16	Lipoff	
33	4533874		1985-08-06	Fischer	
34	4543953		1985-10-01	Slocum, et al.	
35	4551846		1985-11-05	Takeda, et al.	
36	4568882		1986-02-04	Single	
37	4616187		1986-10-07	Watanabe	
38	4716376		1987-12-29	Daudelin	
35	4752742		1988-06-21	Akaiwa	
40	4773085		1988-09-20	Cordell	
41	4825452		1989-04-25	Wong	

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42	4987374		1991-01-22	Burke	
43	5053717		1991-10-01	Schulz, et al.	
44	5105466		1992-04-14	Tsujiuchi, et al.	
45	5155446		1992-10-13	Ebeelee, et al.	
46	5245632		1993-09-14	Greiss	
47	5309113		1994-05-03	Mimura, et al.	
48	5317309		1994-05-31	Vercelloti, et al.	
49	5329258		1994-07-12	Matsuka	
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1	20010045920		2002-04-18	Thompson	
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	3	ZIERHOFER, C.M., ET AL., The Class-E Concept for Efficient Wide-band Coupling-Insensitive Transdermal Power and Data Transfer, IEEE 14th EMBS Conference Proc., Vol. 2, pp. 382-383, 1992.	<input type="checkbox"/>
	4	TROYK, P.R., ET AL., Inductive Links and Drivers For Remotely-Powered Telemetry Systems, Antennas and Propagation Symposium, Vol. 1, pp. 60-62, 2000.	<input type="checkbox"/>
	5	POLK, C., ET AL., Handbook of Biological Effects of Electromagnetic Fields, Chap. 2, CRC Press, 1986.	<input type="checkbox"/>

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6	VON ARX, J.A., ET AL., On-Chip Coils With Integrated Cores For Remote Inductive Powering of Integrated Microsystems, Transducers 97, pp. 999-10002, June 1997.	<input type="checkbox"/>
7	GHOVANLOO, M., ET AL., A BICMOS Wireless Interface Chip for Micromachined Stimulating Microprobes, IEEE-EMBS Special Topic Conference on Microtechnologies in Medicine and Biology Proceedings, pp. 277-282, Madison, Wisconsin, May 2002.	<input type="checkbox"/>
8	GHOVANLOO, M., ET AL., A High Data Transfer Rate Frequency Shift Keying Demodulator Chip For The Wireless Biomedical Implants, IEEE 45th Midwest Symposium on Circuits and Systems Proc., Tulsa, Oklahoma, August 2002.	<input type="checkbox"/>
9	GHOVANLOO, M., ET AL., A Wideband Frequency-Shift Keying Wireless Link For Inductively Powered Biomedical Implants, IEEE Trans. on Circuits and Systems I, Vol. 51, No. 12, pp. 2374-2383, December 2004.	<input type="checkbox"/>
10	GHOVANLOO, M., ET AL., A Modular 32-site Wireless Neural Stimulation Microsystem, IEEE Journal on Solid-State Circuits, Vol. 39, No. 12, pp. 2457-2466, Dec. 2004.	<input type="checkbox"/>
11	GHOVANLOO, M., ET AL., Fully Integrated Power Supply Design For Wireless Biomedical Implants, IEEE-EMBS Special Topic Conference on Microtechnologies in Medicine and Biology Proceedings, pp. 414-419, Madison, Wisconsin, May 2002.	<input type="checkbox"/>

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☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

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☐ See attached certification statement.

☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ None

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/David R. Syrowik/	Date (YYYY-MM-DD)	2006-12-01
Name/Print	David R. Syrowik	Registration Number	27956

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